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OM protein - protein search, using sw model

Run on: July 23, 2004, 14:21:10 ; Search time 46 Seconds
(without alignments)
1674.694 Million cell updates/sec

Title: US-09-822-295-2_COPY_49_294

Perfect score: 1322
Sequence: 1 AEKPNKIKNRYKDIPLYD.....TQEQYELVNAVLELFRQM 246

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1288442 seqs, 313154207 residues

Total number of hits satisfying chosen parameters: 1288442

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
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- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US0_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1322	100.0	807	9	US-09-822-295-2
2	1298.5	98.2	592	15	US-10-309-423-4
3	1298.5	98.2	808	15	US-10-309-423-2
4	1220	92.3	802	9	US-09-822-295-18
5	1220	92.3	802	15	US-10-366-547-95
6	1220	92.3	802	15	US-10-309-423-5
7	946	71.6	773	16	US-10-322-281-845
8	946	71.6	778	16	US-10-322-281-848
9	946	71.6	780	15	US-10-366-547-71
10	945	71.5	780	15	US-10-366-547-69
11	943	71.3	382	15	US-10-366-547-77
12	937	70.9	775	15	US-10-366-547-75
13	924	69.9	312	9	US-09-788-626-21
14	713	53.9	448	13	US-10-087-993-32
15	713	53.9	453	14	US-10-243-687-7

16	696	52.6	458	13	US-10-087-993-36
17	596	45.1	235	12	US-10-087-684-94
18	596	45.1	235	12	US-10-218-779-94
19	596	45.1	235	12	US-10-072-012-819
20	575	43.5	283	12	US-10-087-684-93
21	575	43.5	283	12	US-10-218-779-93
22	525.5	39.8	264	14	US-10-245-539-6
23	500	37.8	1444	12	US-10-058-270A-98
24	500	37.8	1463	14	US-10-176-847-22
25	500	37.8	1463	14	US-10-205-823-343
26	492	37.2	1238	15	US-10-366-547-47
27	491	37.1	341	9	US-09-788-626-23
28	488	36.9	1337	14	US-10-390-501-2
29	488	36.9	1337	15	US-10-366-547-42
30	488	36.9	1337	15	US-10-366-547-44
31	488	36.9	1439	12	US-09-887-669-2
32	488	36.9	1439	16	US-10-408-785A-284
33	487	36.8	1216	15	US-10-366-547-49
34	481	36.4	623	12	US-10-296-115-1190
35	481	36.4	1452	16	US-10-408-785A-83
36	475	35.9	1452	12	US-09-887-669-8
37	474	35.9	1457	12	US-09-887-669-1
38	473	35.8	305	9	US-09-788-626-9
39	472.5	35.7	344	16	US-10-408-785A-1670
40	472	35.7	232	14	US-10-314-232-12
41	472	35.7	1143	15	US-10-366-547-81
42	472	35.7	1304	15	US-10-116-275-237
43	472	35.7	1304	15	US-10-366-547-79
44	470.5	35.6	442	9	US-09-925-300-950
45	470.5	35.6	647	15	US-10-291-265-722

ALIGNMENTS

RESULT 1

US-09-822-295-2
; Sequence 2, Application US/09822295
; Patent No. US20020119501A1
; GENERAL INFORMATION:
; APPLICANT: Bahija Jallal
; Gregory D. Plowman
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
; PTP04 RELATED DISORDERS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/822,295
; FILING DATE: 02-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/081,345
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 234/253
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440

TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 807 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-822-295-2

Query Match 100.0%; Score 1322; DB 9; Length 807;
Best Local Similarity 100.0%; Pred. No. 5.6e-135;
Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AEKPKNIKNRYKDIIPYDYSRVELSLTSDSSYINANFIKGYGPKAYIATQGPLST 60
DB 49 AEKPKNIKNRYKDIIPYDYSRVELSLTSDSSYINANFIKGYGPKAYIATQGPLST 108
QY 61 TLDFWRMIWEYSVLIIVNACMEYEMGKKCERYWAEPEGEMQLEFGPFSVSCAEKSKSD 120
DB 109 TLDFWRMIWEYSVLIIVNACMEYEMGKKCERYWAEPEGEMQLEFGPFSVSCAEKSKSD 168
QY 121 YIIRTLKVKFNSETRIYQFHYKNWPDHVPSSIDPILLEIWDVRCYQEDDSVPICIHCS 180
DB 169 YIIRTLKVKFNSETRIYQFHYKNWPDHVPSSIDPILLEIWDVRCYQEDDSVPICIHCS 228
QY 181 AGCGRTGVICAI-DYTWMLLKDGIIIPENFSVFLIREMTORPSPSVLTQEQVELVYNAVL 239
DB 229 AGCGRTGVICAI-DYTWMLLKDGIIIPENFSVFLIREMTORPSPSVLTQEQVELVYNAVL 288

QY 241 LFKROM 246
DB 289 LFKROM 294

RESULT 2
US-10-309-423-4
Sequence 4, Application US/10309423
Publication No. US20040006777A1
GENERAL INFORMATION:
APPLICANT: HSC Research and Development Limited Partnership
TITLE OF INVENTION: Human Lymphoid Protein Tyrosine Phosphatases
FILE REFERENCE: 92906-2
CURRENT FILING DATE: 2002-12-03
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/09/600,358
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: CA 2,220,853
PRIOR FILING DATE: 1998-01-16
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 692
TYPE: PRT
ORGANISM: Homo sapiens
US-10-309-423-4

Query Match 98.2%; Score 1298.5; DB 15; Length 692;
Best Local Similarity 98.8%; Pred. No. 1.7e-132;
Matches 244; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 AEKPKNIKNRYKDIIPYDYSRVELSLTSDSSYINANFIKGYGPKAYIATQGPLST 60
DB 49 AENAKNIKNRYKDIIPYDYSRVELSLTSDSSYINANFIKGYGPKAYIATQGPLST 108
QY 61 TLDFWRMIWEYSVLIIVNACMEYEMGKKCERYWAEPEGEMQLEFGPFSVSCAEKSKSD 120
DB 109 TLDFWRMIWEYSVLIIVNACMEYEMGKKCERYWAEPEGEMQLEFGPFSVSCAEKSKSD 168
QY 121 YIIRTLKVKFNSETRIYQFHYKNWPDHVPSSIDPILLEIWDVRCYQEDDSVPICIHCS 180
DB 169 YIIRTLKVKFNSETRIYQFHYKNWPDHVPSSIDPILLEIWDVRCYQEDDSVPICIHCS 228
QY 181 AGCGRTGVICAI-DYTWMLLKDGIIIPENFSVFLIREMTORPSPSVLTQEQVELVYNAVL 239
DB 229 AGCGRTGVICAI-DYTWMLLKDGIIIPENFSVFLIREMTORPSPSVLTQEQVELVYNAVL 288

QY 240 ELFKROM 246
DB 289 ELFKROM 295

RESULT 3
US-10-309-423-2
Sequence 2, Application US/10309423
Publication No. US20040006777A1
GENERAL INFORMATION:
APPLICANT: HSC Research and Development Limited Partnership
TITLE OF INVENTION: Human Lymphoid Protein Tyrosine Phosphatases
FILE REFERENCE: 92906-2
CURRENT FILING DATE: 2002-12-03
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/09/600,358
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: CA 2,220,853
PRIOR FILING DATE: 1998-01-16
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 808
TYPE: PRT
ORGANISM: Homo sapiens
US-10-309-423-2

Query Match 98.2%; Score 1298.5; DB 15; Length 808;
Best Local Similarity 98.8%; Pred. No. 2.1e-132;
Matches 244; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 AEKPKNIKNRYKDIIPYDYSRVELSLTSDSSYINANFIKGYGPKAYIATQGPLST 60
DB 49 AENAKNIKNRYKDIIPYDYSRVELSLTSDSSYINANFIKGYGPKAYIATQGPLST 108
QY 61 TLDFWRMIWEYSVLIIVNACMEYEMGKKCERYWAEPEGEMQLEFGPFSVSCAEKSKSD 120
DB 109 TLDFWRMIWEYSVLIIVNACMEYEMGKKCERYWAEPEGEMQLEFGPFSVSCAEKSKSD 168
QY 121 YIIRTLKVKFNSETRIYQFHYKNWPDHVPSSIDPILLEIWDVRCYQEDDSVPICIHCS 180
DB 169 YIIRTLKVKFNSETRIYQFHYKNWPDHVPSSIDPILLEIWDVRCYQEDDSVPICIHCS 228
QY 181 AGCGRTGVICAI-DYTWMLLKDGIIIPENFSVFLIREMTORPSPSVLTQEQVELVYNAVL 239
DB 229 AGCGRTGVICAI-DYTWMLLKDGIIIPENFSVFLIREMTORPSPSVLTQEQVELVYNAVL 288

QY 240 ELFKROM 246
DB 289 ELFKROM 295

RESULT 4
US-09-822-295-18
Sequence 18, Application US/09822295
Patent No. US20020119501A1
GENERAL INFORMATION:
APPLICANT: Bahija Jallal
Gregory D. Plowman
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
PTP04 RELATED DISORDERS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California

COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSeq for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/822,295
 FILING DATE: 02-Apr-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/081,345
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard J.
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 234/253
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 18:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 802 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 SEQUENCE DESCRIPTION: SEQ ID NO: 18:
 US-09-822-295-18

Query Match 92.3%; Score 1220; DB 9; Length 802;
 Best Local Similarity 89.0%; Pred. No. 7.7e-124;
 Matches 219; Conservative 19; Mismatches 8; Indels 0; Gaps 0;
 QY 1 AEKPKNIKRYKIDILPYDYSRVLSLTSDESSYINANFIKGYGPKAYIATQGPLST 60
 DB 49 AQRPKNIKRYKIDILPYDHSLSVLSLTSDESSYINASFIKGYGPKAYIATQGPLST 108
 QY 61 TLDFWMIWEYSVLIIIVMACMEYEMGKKKERYWAEPEGMOLFEPFVSCEAEKKSD 120
 DB 109 TLDFWMIWEYRLIVIVMACMEFEMGKKKERYWAEPEGTQIQGPFISCEAEKKSD 168
 QY 121 YIIRTLKVFNSERTIIYQHYKNWPDHVPSSIDPILILEIWDVRCYQEDDSVPICIHCS 180
 DB 169 YKIRTLKAKFNNEIRIIYQHYKNWPDHVPSSIDPILQLIWMRCYQEDDCVPICIHCS 228
 QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVLSIREMTQPSLVQTQEQYELVYNAVLE 240
 DB 229 AGCGRTGVICADYTWMLLKDGIIIPKNSVFNLIOEMRTQPSLVQTQEQYELVYNAVLE 288
 QY 241 LFKRQM 246
 DB 289 LFKRHM 294

RESULT 5
 US-10-366-547-95
 Sequence 95, Application US/10366547
 Publication No. US20030215899A1
 GENERAL INFORMATION:
 APPLICANT: Meng, Tzu-Ching
 APPLICANT: Tonks, Nicholas K.
 APPLICANT: Cool, Deborah E.
 TITLE OF INVENTION: REVERSIBLE OXIDATION OF PROTEIN TYROSINE
 TITLE OF INVENTION: PHOSPHATASES
 FILE REFERENCE: 200125.439
 CURRENT APPLICATION NUMBER: US/10/366,547
 CURRENT FILING DATE: 2003-02-12
 NUMBER OF SEQ ID NOS: 98
 SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 95
 LENGTH: 802
 TYPE: PRT
 ORGANISM: Mus musculus
 US-10-366-547-95
 Query Match 92.3%; Score 1220; DB 15; Length 802;
 Best Local Similarity 89.0%; Pred. No. 7.7e-124;
 Matches 219; Conservative 19; Mismatches 8; Indels 0; Gaps 0;
 QY 1 AEKPKNIKRYKIDILPYDYSRVLSLTSDESSYINANFIKGYGPKAYIATQGPLST 60
 DB 49 AQRPKNIKRYKIDILPYDHSLSVLSLTSDESSYINASFIKGYGPKAYIATQGPLST 108
 QY 61 TLDFWMIWEYSVLIIIVMACMEYEMGKKKERYWAEPEGMOLFEPFVSCEAEKKSD 120
 DB 109 TLDFWMIWEYRLIVIVMACMEFEMGKKKERYWAEPEGTQIQGPFISCEAEKKSD 168
 QY 121 YIIRTLKVFNSERTIIYQHYKNWPDHVPSSIDPILILEIWDVRCYQEDDSVPICIHCS 180
 DB 169 YKIRTLKAKFNNEIRIIYQHYKNWPDHVPSSIDPILQLIWMRCYQEDDCVPICIHCS 228
 QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVLSIREMTQPSLVQTQEQYELVYNAVLE 240
 DB 229 AGCGRTGVICADYTWMLLKDGIIIPKNSVFNLIOEMRTQPSLVQTQEQYELVYNAVLE 288
 QY 241 LFKRQM 246
 DB 289 LFKRHM 294

RESULT 6
 US-10-309-423-5
 Sequence 5, Application US/10309423
 Publication No. US20040006777A1
 GENERAL INFORMATION:
 APPLICANT: HSC Research and Development Limited Partnership
 TITLE OF INVENTION: Human Lymphoid Protein Tyrosine Phosphatases
 FILE REFERENCE: 92906-2
 CURRENT APPLICATION NUMBER: US/10/309,423
 CURRENT FILING DATE: 2002-12-03
 PRIOR APPLICATION NUMBER: US/09/600,358
 PRIOR FILING DATE: 2000-09-25
 PRIOR APPLICATION NUMBER: CA 2,220,853
 PRIOR FILING DATE: 1998-01-16
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 5
 LENGTH: 802
 TYPE: PRT
 ORGANISM: Mus musculus
 US-10-309-423-5

Query Match 92.3%; Score 1220; DB 15; Length 802;
 Best Local Similarity 89.0%; Pred. No. 7.7e-124;
 Matches 219; Conservative 19; Mismatches 8; Indels 0; Gaps 0;
 QY 1 AEKPKNIKRYKIDILPYDYSRVLSLTSDESSYINANFIKGYGPKAYIATQGPLST 60
 DB 49 AQRPKNIKRYKIDILPYDHSLSVLSLTSDESSYINASFIKGYGPKAYIATQGPLST 108
 QY 61 TLDFWMIWEYSVLIIIVMACMEYEMGKKKERYWAEPEGMOLFEPFVSCEAEKKSD 120
 DB 109 TLDFWMIWEYRLIVIVMACMEFEMGKKKERYWAEPEGTQIQGPFISCEAEKKSD 168
 QY 121 YIIRTLKVFNSERTIIYQHYKNWPDHVPSSIDPILILEIWDVRCYQEDDSVPICIHCS 180
 DB 169 YKIRTLKAKFNNEIRIIYQHYKNWPDHVPSSIDPILQLIWMRCYQEDDCVPICIHCS 228
 QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVLSIREMTQPSLVQTQEQYELVYNAVLE 240
 DB 229 AGCGRTGVICADYTWMLLKDGIIIPKNSVFNLIOEMRTQPSLVQTQEQYELVYNAVLE 288


```
; APPLICANT: Cool, Deborah E.
; TITLE OF INVENTION: REVERSIBLE OXIDATION OF PROTEIN TYROSINE
; FILE REFERENCE: 200125.439
; CURRENT APPLICATION NUMBER: US/10/366,547
; CURRENT FILING DATE: 2003-02-12
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69
; LENGTH: 780
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-366-547-69

Query Match      71.5%; Score 945; DB 15; Length 780;
Best Local Similarity 68.2%; Pred. No. 8.1e-94;
Matches 167; Conservative 40; Mismatches 38; Indels 0; Gaps 0;

QY 2 EKPNIKNRYKDILPYDYSRVLSLTSDESDSYINANFIKGYGPKAYIATQGPLSTT 61
Db 54 EKEENVKKNRYKDILPFDHSRVKLTLPKPSQSDSYINANFIKGYGPKAYIATQGPLANT 113
QY 62 LLDPRMIWEYSVLIIWACWEYEMGKKCRYWAEPEGMOLEFGPFSVSCBAEKRSKY 121
Db 114 VIDPRMIWEYNVLIWACREFEMGRKKCRYWPLYGEDPITFAPFKISCENEQARTDY 173
QY 122 IIRTLKVKFNSETRTIYQHYKNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 181
Db 174 FIRTLLEFQNESRRLYQHYVNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 233
QY 182 GCGRTGVCICADYTWMLIKDGIIPENFSVSLIREMRTQPSLSVQTQOYELVYNAVL 241
Db 234 GCGRTGAICADYTWMLIKAGKPIPEEFNVNLIQEMRTQHSVAVTQKEQYELVHRAIAQL 293
QY 242 FKQOM 246
Db 294 FEKQL 298

Query Match      71.3%; Score 943; DB 15; Length 382;
Best Local Similarity 68.2%; Pred. No. 5e-94;
Matches 167; Conservative 40; Mismatches 38; Indels 0; Gaps 0;

QY 2 EKPNIKNRYKDILPYDYSRVLSLTSDESDSYINANFIKGYGPKAYIATQGPLSTT 61
Db 54 EKEENVKKNRYKDILPFDHSRVKLTLPKPSQSDSYINANFIKGYGPKAYIATQGPLANT 113
QY 62 LLDPRMIWEYSVLIIWACWEYEMGKKCRYWAEPEGMOLEFGPFSVSCBAEKRSKY 121
Db 114 VIDPRMIWEYNVLIWACREFEMGRKKCRYWPLYGEDPITFAPFKISCENEQARTDY 173
QY 122 IIRTLKVKFNSETRTIYQHYKNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 181
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Db 174 FIRTLLEFQNESRRLYQHYVNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 233
QY 182 GCGRTGVCICADYTWMLIKDGIIPENFSVSLIREMRTQPSLSVQTQOYELVYNAVL 241
Db 234 GCGRTGAICADYTWMLIKAGKPIPEEFNVNLIQEMRTQHSVAVTQKEQYELVHRAIAQL 293
QY 242 FKQOM 246
Db 294 FEKQL 298

RESULT 12
US-10-366-547-75
; Sequence 75, Application US/10366547
; Publication No. US20030215899A1
; GENERAL INFORMATION:
; APPLICANT: Meng, Tzu-Ching
; APPLICANT: Tonks, Nicholas K.
; APPLICANT: Cool, Deborah E.
; TITLE OF INVENTION: REVERSIBLE OXIDATION OF PROTEIN TYROSINE
; FILE REFERENCE: 200125.439
; CURRENT APPLICATION NUMBER: US/10/366,547
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 75
; LENGTH: 775
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-366-547-75

Query Match      70.9%; Score 937; DB 15; Length 775;
Best Local Similarity 67.8%; Pred. No. 6e-93;
Matches 166; Conservative 39; Mismatches 40; Indels 0; Gaps 0;

QY 2 EKPNIKNRYKDILPYDYSRVLSLTSDESDSYINANFIKGYGPKAYIATQGPLSTT 61
Db 54 EKEENVKKNRYKDILPFDHSRVKLTLPKPSQSDSYINANFIKGYGPKAYIATQGPLFRNT 113
QY 62 LLDPRMIWEYSVLIIWACWEYEMGKKCRYWAEPEGMOLEFGPFSVSCBAEKRSKY 121
Db 114 VIDPRMIWEYNVLIWACREFEMGRKKCRYWPLYGEDPITFAPFKISCENEQARTDY 173
QY 122 IIRTLKVKFNSETRTIYQHYKNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 181
Db 174 FIRTLLEFQNESRRLYQHYVNWPDHVPSSIDPILSLIWDVRCYQEDDSVPICIHCSA 233
QY 182 GCGRTGVCICADYTWMLIKDGIIPENFSVSLIREMRTQPSLSVQTQOYELVYNAVL 241
Db 234 GCGRTGAICADYTWMLIKAGKPIPEEFNVNLIQEMRTQHSVAVTQKEQYELVHRAIAQL 293
QY 242 FKQOM 246
Db 294 FEKQL 298

RESULT 13
US-09-788-626-21
; Sequence 21, Application US/09788626
; Patent No. US20020009762A1
; GENERAL INFORMATION:
; APPLICANT: Flint, Andrew J.
; APPLICANT: Cool, Deborah E.
; TITLE OF INVENTION: IMPROVED ASSAY FOR PROTEIN TYROSINE
; TITLE OF INVENTION: PHOSPHATES
; FILE REFERENCE: 200125.401
; CURRENT APPLICATION NUMBER: US/09/788,626
; CURRENT FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
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Search completed: July 23, 2004, 14:24:13
Job time : 47 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 23, 2004, 14:20:05 ; Search time 19 Seconds
(without alignments)
668.420 Million cell updates/sec

Title: US-09-822-295-2_COPY_49_294

Perfect score: 1322
Sequence: 1 AEKPNKKNRYKDILPDYX.....TQEQYELVNAVLELFRQW 246

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCPUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1322	100.0	807	3	US-09-081-345-2
2	1220	92.3	278	3	US-08-821-278A-18
3	1220	92.3	802	3	US-09-081-345-18
4	945	71.5	272	3	US-08-821-278A-19
5	924	69.9	253	2	US-08-685-992-20
6	924	69.9	253	2	US-09-144-925-20
7	713	53.9	453	3	US-08-951-260A-7
8	713	53.9	453	4	US-09-430-626A-7
9	700	53.0	453	3	US-08-821-278A-2
10	491	37.1	277	2	US-08-685-992-22
11	491	37.1	277	2	US-09-144-925-22
12	488	36.9	1337	3	US-08-954-585-2
13	488	36.9	1337	4	US-09-447-523-2
14	488	36.9	1337	5	PCT-US95-05512-2
15	488	36.9	1439	2	US-08-449-644-2
16	488	36.9	1439	2	US-08-087-244A-2
17	483	36.5	1452	2	US-08-652-971-4
18	483	36.5	1452	2	US-08-991-258A-4
19	483	36.5	1452	2	US-08-769-399-4
20	483	36.5	1452	3	US-08-991-953A-4
21	481	36.4	1452	2	US-08-449-644-8
22	481	36.4	1452	2	US-08-087-244A-8
23	474	35.9	1442	1	US-08-015-986A-3
24	474	35.9	1442	2	US-08-446-363-3
25	474	35.9	1457	2	US-08-652-971-3
26	474	35.9	1457	2	US-08-449-644-1
27	474	35.9	1457	2	US-08-087-244A-1

28	474	35.9	1457	2	US-08-991-258A-3	Sequence 3, Appli
29	474	35.9	1457	2	US-08-769-399-3	Sequence 3, Appli
30	474	35.9	1457	2	US-08-991-953A-3	Sequence 3, Appli
31	473	35.8	249	2	US-08-685-992-8	Sequence 8, Appli
32	473	35.8	249	2	US-09-144-925-8	Sequence 8, Appli
33	472	35.7	292	1	US-08-036-210-12	Sequence 12, Appli
34	472	35.7	292	2	US-08-449-609-12	Sequence 12, Appli
35	472	35.7	292	4	US-09-361-096A-12	Sequence 12, Appli
36	466	35.2	1445	1	US-08-015-986A-2	Sequence 2, Appli
37	466	35.2	1445	2	US-08-446-363-2	Sequence 2, Appli
38	465	35.2	263	2	US-08-685-992-5	Sequence 5, Appli
39	465	35.2	263	2	US-09-144-925-5	Sequence 5, Appli
40	461.5	34.9	245	2	US-08-685-992-26	Sequence 26, Appli
41	461.5	34.9	245	2	US-09-144-925-26	Sequence 26, Appli
42	461	34.9	248	4	US-09-848-294-10	Sequence 10, Appli
43	461	34.9	593	1	US-08-018-129-5	Sequence 5, Appli
44	461	34.9	593	2	US-08-448-250-5	Sequence 5, Appli
45	461	34.9	593	4	US-09-282-257-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1
US-09-081-345-2
; Sequence 2, Application US/09081345
; Patent No. 6228641
; GENERAL INFORMATION:
; APPLICANT: Bahija Jallal
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
; TITLE OF INVENTION: PTP04 RELATED DISORDERS
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; SUITE: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/081,345
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 60/047,222
; FILING DATE: May 20, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 234/253
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 807 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-081-345-2

Query Match 100.0%; Score 1322; DB 3; Length 807;
Best Local Similarity 100.0%; Pred. No. 4.9e-136;

Matches 245; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AEKPKIKKRYKDIIPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 60
DB 49 AEKPKIKKRYKDIIPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 108
QY 61 TLDDFRMIWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKKSD 120
DB 109 TLDDFRMIWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKKSD 168
QY 121 YIIRTLKVKFNSETRIIYOFHYKNWPDHVPSSIDPILILEIWDVRCYQEDDVPICIHCS 180
DB 169 YIIRTLKVKFNSETRIIYOFHYKNWPDHVPSSIDPILILEIWDVRCYQEDDVPICIHCS 228
QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQYELVYNAVLE 240
DB 229 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQYELVYNAVLE 288
QY 241 LFKRQM 246
DB 289 LFKRHM 294

RESULT 2
US-08-821-278A-18
; Sequence 18, Application US/08821278A
; Patent No. 6238902
; GENERAL INFORMATION:
; APPLICANT: Cheng, Jill
; APPLICANT: Lasky, Laurence A.
; TITLE OF INVENTION: Protein Tyrosine Phosphatases
; FILE REFERENCE: P1010R1
; CURRENT APPLICATION NUMBER: US/08/821,278A
; CURRENT FILING DATE: 1997-03-20
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 18
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Homo Sapien
US-08-821-278A-18

Query Match 92.3%; Score 1220; DB 3; Length 278;
Best Local Similarity 89.0%; Pred. No. 1.6e-125;
Matches 219; Conservative 19; Mismatches 8; Indels 0; Gaps 0;

QY 1 AEKPKIKKRYKDIIPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 60
DB 26 AQRPKIKKRYKDIIPYDHSVLSSLTSDSSYINANFIKGVGPKAYIATQGPLST 85
QY 61 TLDDFRMIWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKKSD 120
DB 86 TLDDFRMIWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKKSD 145
QY 121 YIIRTLKVKFNSETRIIYOFHYKNWPDHVPSSIDPILILEIWDVRCYQEDDVPICIHCS 180
DB 146 YIIRTLKVKFNSETRIIYOFHYKNWPDHVPSSIDPILILEIWDVRCYQEDDVPICIHCS 205
QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQYELVYNAVLE 240
DB 206 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQYELVYNAVLE 265
QY 241 LFKRQM 246
DB 266 LFKRHM 271

RESULT 3
US-09-081-345-18
; Sequence 18, Application US/09081345
; Patent No. 6228641
; GENERAL INFORMATION:
; APPLICANT: Bahija Jallal
; APPLICANT: Gregory D. Prowman

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
TITLE OF INVENTION: PTP04 RELATED DISORDERS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/081,345
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/047,222
FILING DATE: May 20, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 234/253
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 802 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-081-345-18

Query Match 92.3%; Score 1220; DB 3; Length 802;
Best Local Similarity 89.0%; Pred. No. 7.4e-125;
Matches 219; Conservative 19; Mismatches 8; Indels 0; Gaps 0;

QY 1 AEKPKIKKRYKDIIPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 60
DB 49 AQRPKIKKRYKDIIPYDHSVLSSLTSDSSYINANFIKGVGPKAYIATQGPLST 108
QY 61 TLDDFRMIWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKKSD 120
DB 109 TLDDFRMIWEYSVLIIIVMACMEYEMGKKCERYWAEFGEMQLEFGPFSVSCAEKKSD 168
QY 121 YIIRTLKVKFNSETRIIYOFHYKNWPDHVPSSIDPILILEIWDVRCYQEDDVPICIHCS 180
DB 169 YIIRTLKVKFNSETRIIYOFHYKNWPDHVPSSIDPILILEIWDVRCYQEDDVPICIHCS 228
QY 181 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQYELVYNAVLE 240
DB 229 AGCGRTGVICADYTWMLLKDGIIIPENFSVFLIREMRTQPSLVQTOEQYELVYNAVLE 288
QY 241 LFKRQM 246
DB 289 LFKRHM 294

RESULT 4
US-08-821-278A-19
; Sequence 19, Application US/08821278A
; Patent No. 6238902
; GENERAL INFORMATION:
; APPLICANT: Cheng, Jill
; APPLICANT: Lasky, Laurence A.

;; TITLE OF INVENTION: Protein Tyrosine Phosphatases
;; FILE REFERENCE: P1010R1
;; CURRENT APPLICATION NUMBER: US/08/821,278A
;; CURRENT FILING DATE: 1997-03-20
;; NUMBER OF SEQ ID NOS: 23
;; SEQ ID NO 19
;; LENGTH: 272
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-08-821-278A-19

Query Match 71.5%; Score 945; DB 3; Length 272;
Best Local Similarity 68.2%; Pred. No. 2.2e-95;
Matches 167; Conservative 40; Mismatches 38; Indels 0; Gaps 0;
QY 2 EKPNIKKRYKDIIPYDYSRVLSLITSDSSVINANFIKGVYGPYKAYIATQGPLSTT 61
DB 27 EKEENVKKNRYKDIIPDHSRVKLTLPSPQSDSYINANFIKGVYGPYKAYIATQGPLANT 86
QY 62 LLDFFWMIWEYSVLIIIVMACMEYEMGKKCKERYWAEFGEMQLEFGPFSVSCAEKRSYD 121
DB 97 VIDFWRMWVYNNVLIIVWACREFEMGRKKERYWPLYGEDPITFAPEKISCDEQARTDY 146
QY 122 IIRTLKVNSETRTIYQFHYKNWPDHDPSSIDPILILELWDVRCYQEDDSVPICHCSEA 181
DB 147 FIRTLLFEQNESRLYQFHYVNWPDHDPSSFDSDILMSLMRKYQEHEDVPICHCSEA 206
QY 182 GCGRTGVCIDYTWMLLKDGIIIPENFSVSLIREMTQPSLVTQEQYELVYNAVLEL 241
DB 207 GCGRTGAICAIDYTWMLLKAGKIPEEFNVNLIQEMRTQHSVQTKQYELVHRAIAQL 266
QY 242 FKQRM 246
DB 267 FEKQL 271

RESULT 5
US-08-685-992-20
; Sequence 20, Application US/08685992
; Patent No. 5912138
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas
; APPLICANT: Flint, Andrew J.
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/685,992
; FILING DATE: 25-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL96-03
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; TELEX:

;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 253 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-08-685-992-20

Query Match 69.9%; Score 924; DB 2; Length 253;
Best Local Similarity 67.3%; Pred. No. 4.1e-93;
Matches 165; Conservative 40; Mismatches 38; Indels 2; Gaps 1;
QY 2 EKPNIKKRYKDIIPYDYSRVLSLITSDSSVINANFIKGVYGPYKAYIATQGPLSTT 61
DB 8 EKEENVKKNRYKDIIPDHSRVKLTLPSPQSDSYINANFIKGVYGPYKAYIATQGPLANT 67
QY 62 LLDFFWMIWEYSVLIIIVMACMEYEMGKKCKERYWAEFGEMQLEFGPFSVSCAEKRSYD 121
DB 68 VIDFWRMWVYNNVLIIVWACREFEMGRKKERYWPLYGEDPITFAPEKISCDEQARTDY 127
QY 122 IIRTLKVNSETRTIYQFHYKNWPDHDPSSIDPILILELWDVRCYQEDDSVPICHCSEA 181
DB 128 FI--LLELFQNESRLYQFHYVNWPDHDPSSFDSDILMSLMRKYQEHEDVPICHCSEA 185
QY 182 GCGRTGVCIDYTWMLLKDGIIIPENFSVSLIREMTQPSLVTQEQYELVYNAVLEL 241
DB 186 GCGRTGAICAIDYTWMLLKAGKIPEEFNVNLIQEMRTQHSVQTKQYELVHRAIAQL 245
QY 242 FKQRM 246
DB 246 FEKQL 250

RESULT 6
US-09-144-925-20
; Sequence 20, Application US/09144925
; Patent No. 5951979
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas
; APPLICANT: Flint, Andrew J.
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02421-4799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/144,925
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/685,992
; FILING DATE: July 25, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL96-03Z
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; TELEX:
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:

LENGTH: 253 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-144-925-20

Query Match 69.9%; Score 924; DB 2; Length 253;
Best Local Similarity 67.3%; Pred. No. 4.1e-93;
Matches 165; Conservative 40; Mismatches 38; Indels 2; Gaps 1;
QY 2 EKPNKKRYKDIILPYDSRVLSLITSDSSYINANFIKGYGPKAYATQGLPLSTT 61
DB 8 EKENKKRYKDIILPYDSRVLSLITSDSSYINANFIKGYGPKAYATQGLPLANT 67
QY 62 LLDPRMIWYSVLIIWVACMEYEMGKKCCRYWAEPPGEMQLEFGFPFVSCEAEKRSY 121
DB 68 VIDPRWVWYVYVLIWVACREFEMGKKCCRYWPLYGEDPITFAPFKISCEDEQARTD 127
QY 122 IITLVKVFNSRTIYQHYKWPDPHVPSSIDPILWVRCYQSDSSVPICIHCSA 181
DB 128 FI--LLEFQNESRRLYQHYVWNPDPHVPSSIDPILWVRCYQSDSSVPICIHCSA 185
QY 182 GCGRGTGIVCAIDVTWMLKDGIIIPENFVSFLIREMRTORPSLSVOTQOYELVNAVLEL 241
DB 186 GCGRGTGIVCAIDVTWMLKDGIIIPENFVSFLIREMRTORPSLSVOTQOYELVNAVLEL 245
QY 242 FKQGM 246
DB 246 FEKQL 250

RESULT 7

US-09-951-260A-7
Sequence 7, Application US/08951260A
Patent No. 6004791
GENERAL INFORMATION:
APPLICANT: Aoki, Naohito
TITLE OF INVENTION: PROTEIN TYROSINE PHOSPHATASE PTP20
TITLE OF INVENTION: AND RELATED PRODUCTS AND METHODS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/951,260A
FILING DATE: October 16, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,860
FILING DATE: No. 6004791ember 13, 1996
APPLICATION NUMBER: PCT/1897/00946
FILING DATE: June 17, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 227/004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 453 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-951-260A-7

Query Match 53.9%; Score 713; DB 3; Length 453;
Best Local Similarity 53.7%; Pred. No. 1.3e-69;
Matches 130; Conservative 41; Mismatches 69; Indels 2; Gaps 2;
QY 6 NIKKNRYKDIILPYDSRVLSLITSDSSYINANFIKGYGPKAYATQGLPLSTTLLDF 65
DB 56 NSKNRYKDVVYDETRVLSLLQEGHGDYINANFIRGTDSQAYIATQGLPHTLLDF 115
QY 66 WMTWYSVLIIWVACMEYEMGKKCCRYWAEPPGEMQLEFGFPFVSCEAEKR-KSDYIIR 124
DB 116 WLVWVFGIKVILMACQETENGRRKCCRYWAEPPGEMQLEFGFPFVSCEAEKR-KSDYIIR 174
QY 125 TLKVFNSRTIYQHYKWPDPHVPSSIDPILWVRCYQSDSSVPICIHCSAGCG 184
DB 175 TLQVFKQSRPVHQLQYMSWPDHGVPSSSHLLTWVEEARCLQGLGPGPLVHCSAGCG 234
QY 185 RTGVICADYTWMLKDGIIIPENFVSFLIREMRTORPSLSVOTQOYELVNAVLEL 244
DB 235 RTGVICADYVROQLLTQIPNFSLFEVLEMRKORPAVQTEEQYRFLVHTVAQLFSR 294
QY 245 QM 246
DB 295 TL 296

RESULT 8

US-09-430-626A-7
Sequence 7, Application US/09430626A
Patent No. 6482605
GENERAL INFORMATION:
APPLICANT: Aoki, Naohito
TITLE OF INVENTION: PROTEIN TYROSINE PHOSPHATASE PTP20
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/430,626A
FILING DATE: 29-Oct-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/951,260
FILING DATE: October 16, 1997
APPLICATION NUMBER: 60/030,860
FILING DATE: No. 6482605ember 13, 1996
APPLICATION NUMBER: PCT/1897/00946
FILING DATE: June 17, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 227/004

TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 453 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-430-826A-7

Query Match 53.9%; Score 713; DB 4; Length 453;
Best Local Similarity 53.7%; Pred. No. 1.3e-69;
Matches 130; Conservative 41; Mismatches 69; Indels 2; Gaps 2;

QY 6 NIKNRYKDLIPDYSRVLSLITSDSSYINANFIKGVGPKAYIATQGPLSTLLDF 65
Db 56 NSKNRYKDVVPYDETRVLSLQEGHGYINANFIRGTGSOAYIATQGPLPHTLLDF 115
QY 66 WRMIWEYSVLIIIVNACMEYEMGKKKCRYWAEPCEMOLFGPFSVSCAEKR-KSDYIIR 124
Db 116 WRLWVEFGKVLNACQETENGRCRCRYWAQERE-PLQAGPFCITLTKETALTSDITLR 174
QY 125 TLKVKFNSERTIYQHYKKNWPDHVPSSIDPILILELWVRCYQEDDSVPICHCAGCG 184
Db 175 TLQVTFQKSRPVHQLQYMSWPDGVPSSDHILTMVEARCLQGLGPGPLCVHCAGCG 234
QY 185 RTGVCAIDYTWMLKDGIIIPENFSVSLIREMRTQPSLVOTQEOYELVYNAVLELFR 244
Db 235 RTGVLCADVVRQLLTQTIPNFSLVLEVMRKORPAAVQTEBOYRFLYHTVAQLFSR 294
QY 245 QM 246
Db 295 TL 296

RESULT 9
US-08-821-278A-2
; Sequence 2, Application US/08821278A
; Patent No. 6238902
; GENERAL INFORMATION:
; APPLICANT: Cheng, Jill
; APPLICANT: Lasky, Laurence A.
; TITLE OF INVENTION: Protein Tyrosine Phosphatases
; FILE REFERENCE: P1010R1
; CURRENT APPLICATION NUMBER: US/08/821.278A
; CURRENT FILING DATE: 1997-03-20
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 2
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Mus Musculus
US-08-821-278A-2

Query Match 53.0%; Score 700; DB 3; Length 453;
Best Local Similarity 52.9%; Pred. No. 3.4e-68;
Matches 128; Conservative 42; Mismatches 70; Indels 2; Gaps 2;

QY 6 NIKNRYKDLIPDYSRVLSLITSDSSYINANFIKGVGPKAYIATQGPLSTLLDF 65
Db 56 NTKNRYKDVVAYDERVLSLQEGHGYINANFIRGTGSOAYIATQGPLPHTLLDF 115
QY 66 WRMIWEYSVLIIIVNACMEYEMGKKKCRYWAEPCEMOLFGPFSVSCAEKR-KSDYIIR 124
Db 116 WRLWVEFGKVLNACQETENGRCRCRYWAQERE-PLQAGPFCITLTKETALTSDITLR 174
QY 125 TLKVKFNSERTIYQHYKKNWPDHVPSSIDPILILELWVRCYQEDDSVPICHCAGCG 184
Db 175 TLQVTFQKSRPVHQLQYMSWPDGVPSSDHILTMVEARCLQGLGPGPLCVHCAGCG 234

QY 185 RTGVCAIDYTWMLKDGIIIPENFSVSLIREMRTQPSLVOTQEOYELVYNAVLELFR 244
Db 235 RTGVLCADVVRQLLTQTIPNFSLVLEVMRKORPAAVQTEBOYRFLYHTVAQLFSR 294
QY 245 QM 246
Db 295 TL 296

RESULT 10
US-08-685-992-22
; Sequence 22, Application US/08685992
; Patent No. 5912138
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas
; APPLICANT: Flint, Andrew J.
; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
; TITLE OF INVENTION: TYROSINE PHOSPHATASES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FASSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/685.992
; FILING DATE: 25-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL96-03
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; TELEX:
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 277 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-685-992-22

Query Match 37.1%; Score 491; DB 2; Length 277;
Best Local Similarity 38.0%; Pred. No. 1.4e-45;
Matches 105; Conservative 40; Mismatches 89; Indels 42; Gaps 7;

QY 2 BKPNKIKNRYKDLIPDYSRVLSLITSDSSYINANFIKGVGPKAYIATQGPLSTT 61
Db 8 DKENTSKNRYTNILPVNHTVQLKKIODEGSDYINANYIDGAY-PKQFICTQGPLNT 66
QY 62 LLDWRMIWEYSVLIIIVNACMEYEMGKK---KCRYWAEP-----GEMQLEFGPFS 109
Db 67 IADFRWYMWENRCRIIVMLSESEGENCRICKDRYWPQICGQSFYGVNGNEVFGTYS 126
QY 110 VSCEAEKESDYIIRTLKVKFNSERTIYQHYKKNWPDHVPSSIDPILILELWVRCYQ- 168
Db 127 VELVEVICRILITRNILTFEGETRLDTIQYEGWPDHNPDPHTQPRQLHSHITNRQN 186
QY 169 -----EDDSVPICHCAGCGRTGVICA-----IDYTWMLKDGIIIPENFS 209

Db 187, QIIPSSDRNVPIIVHCSAGVGTGTCTAVIMMKKLDHYFKQLDYSRI-----DFN 238

QY 210 VFSLIEMRTQPSLVQTQEYELVYNAVL-ELFKR 244
 Db 239 LFSIVLKREQRPQGVQLEQYLCYKTLDEIYHR 274

RESULT 11

US-09-144-925-22
 ; Sequence 22, Application US/09144925
 ; Patent No. 5951979
 ; GENERAL INFORMATION:
 ; APPLICANT: Tonks, Nicholas
 ; APPLICANT: Flinn, Andrew J.
 ; TITLE OF INVENTION: SUBSTRATE TRAPPING PROTEIN
 ; TITLE OF INVENTION: TYROSINE PHOSPHATASES
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02421-4799
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: FastSeq for Windows Version 2.0b
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/144,925
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/685,992
 ; FILING DATE: July 25, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Granahan, Patricia
 ; REGISTRATION NUMBER: 32,227
 ; REFERENCE/DOCKET NUMBER: CSHL96-032
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 781-861-6240
 ; TELEFAX: 781-861-9540
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 277 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; MEDIUM TYPE: protein

Query Match 37.1%; Score 491; DB 2; Length 277;
 Best Local Similarity 38.0%; Pred. No. 1.4e-45;
 Matches 105; Conservative 40; Mismatches 89; Indels 42; Gaps 7;
 QY 2 EKPKNIKRYKDIILPYDSRVLSLTSDESSYINANFIKVGYPKAYIATQGPLSTT 61
 Db 8 DKHNTSKRYNIIIPVNHTRVQLKKIQDKESDYINANYIDGAY-PKOFICTQGPLNT 66
 QY 62 LLDFFWRMIWEYSVLIIIVMACMEYEMGKKYKRYWAEPP-----GEMQLEFGPFS 109
 Db 67 IADFFWRMWNENCRILIVMLSRSESESNCRICKDRYWPQIGGEQFSYINGNEVFGTYS 126
 QY 110 VSCAEAKRSDYIIRTKVKFNSETRTTYQFHYKNWPDHVPSSIDPILILEIWDVRCYQ- 168
 Db 127 VELVEIQCREIITRNIRITFEGEDITQYQEGKPDHNPDPHTQFQLLSHTNRQN 186
 QY 169 -----EDDSVPICRCSAGCGRTGICA-----IDYTWMLKDGIIIPENFS 209
 Db 187 QIIPSSDRNVPIIVHCSAGVGTGTCTAVIMMKKLDHYFKQLDYSRI-----DFN 238

QY 210 VFSLIEMRTQPSLVQTQEYELVYNAVL-ELFKR 244
 Db 239 LFSIVLKREQRPQGVQLEQYLCYKTLDEIYHR 274

RESULT 12

US-08-854-585-2
 ; Sequence 2, Application US/08854585
 ; Patent No. 6114140
 ; GENERAL INFORMATION:
 ; APPLICANT: Tonks, Nicholas K. and stman, Arne
 ; TITLE OF INVENTION: Density Enhanced Protein Tyrosine Phosphatase
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 233 South Wacker Drive, Suite 6300
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: United States of America
 ; ZIP: 60606
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/854,585
 ; FILING DATE:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/237,940
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Borun, Michael F.
 ; REGISTRATION NUMBER: 25,447
 ; REFERENCE/DOCKET NUMBER: 27866/31954
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312-474-6300
 ; TELEFAX: 312-474-0448
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1337 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

Query Match 36.9%; Score 488; DB 3; Length 1337;
 Best Local Similarity 41.2%; Pred. No. 2.8e-44;
 Matches 103; Conservative 45; Mismatches 90; Indels 12; Gaps 6;
 QY 1 AEAPKNIKKRYKDIILPYDSRVLSLTSDESSYINANFIKVGYPKAYIATQGPLST 60
 Db 1060 AELAENRGNRYNNVLPYDISRVKLSVQTHSTD-DYINANYMPGVHKKDKFIATQGPLN 1118
 QY 61 TLDDFFWRMIWEYSVLIIIVMACMEYEMGKKYKRYWAEPPGEMQLEFGPFSVSCAEAKRSD 120
 Db 1119 TLKDFWRMWNENCRILIVMLTKVCEQGRTKCEYW--PSKQADYGDITVAMTSEIYLPE 1176
 QY 121 YIIRTKLVK--FNSETRTTYQFHYKNWPDHVPSSIDPILILEIWDVRCY--QEDDSVPIC 176
 Db 1177 WTIRDFTVKNIQTSSEHPLRQFHTSWPDHGVPTDITLLINFRYLVRDYMKOSPESPIL 1236
 QY 177 IHCACGCGRTGICATDYTWMLLKDGIIIPEN-FSVFSLIREMRTQPSLVQTQEYELVY 235
 Db 1237 VHSAGVGRITGTFTIALDRIYQIEN----ENTVDYVIGYVDLRMHPLMVQEDQYVFLN 1292
 QY 236 NAVLELFKRX 245
 Db 1293 QCVLDIRSQ 1302

RESULT 13
 US-09-447-533-2

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; Sequence 2, Application US/09447533
; Patent No. 6552169
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K.
; Ostrman, Arne
; TITLE OF INVENTION: DENSITY ENHANCED PROTEIN TYROSINE
; PHOSPHATASES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed IP Law Group PLLC
; STREET: Suite 6300, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/447,533
; FILING DATE: 23-Nov-6552169-1999
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Rosenman Ph.D., Stephen J.
; REGISTRATION NUMBER: 43,058
; REFERENCE/DOCKET NUMBER: 200125.402C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1337 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-05512-2
; QUERY MATCH 36.9%; Score 488; DB 4; Length 1337;
; Best Local Similarity 41.2%; Pred. No. 2.8e-44;
; Matches 103; Conservative 45; Mismatches 90; Indels 12; Gaps 6;
;
; QY 1 AEKPKNIKKNRYKDILPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 60
; DB 1060 ABLAENFGKNRYNNVLPYDISRVKLSVQTHSTD-DYINANFYGYSKDKFIATQGPLN 1118
; QY 61 TLDDFWMIWEYSVLIIVMACMEYEMGKKERYWAEPEGMOLFEPGFSVSCAEKRKSD 120
; DB 1119 TLKDFWRMWEKNVYAIIMLTKEVQGRTKCEYW--PSKQADYDGDITVAMTSEIVLPE 1176
; QY 121 YIIRTLVKV--FNSERTIYQFHYKNWPDHVDVSSIDPILLELWVRCY--QEDDSVPIC 176
; DB 1177 WTIRDFVKNIQTSSEHPLRQFHTSWPDHGVDPDTDLLINFRYLVRDYMKNQSPESPIL 1236
; QY 177 IHCSAGCGRTGVICAIDYTMLLKDGIIIPEN-FSVFSLIREMRTQPSLVQTQEQYELVY 235
; DB 1237 VHCAGVGRGTGTFIADRLIVQIEN----ENTVDVYGVYDLRMRPLMVQTEDQYVFLN 1292
; QY 236 NAVLELFRQ 245
; DB 1293 QCVLDIVRSQ 1302
;
; RESULT 14
; PCT-US95-05512-2
; Sequence 2, Application PC/TUS9505512
; GENERAL INFORMATION:
; APPLICANT: Tonks, Nicholas K. and Ostrman, Arne
; TITLE OF INVENTION: Density Enhanced Protein Tyrosine
; PHOSPHATASE
; NUMBER OF SEQUENCES: 6
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Borun
; STREET: 233 South Wacker Drive, Suite 6300
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05512
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Borun, Michael F.
; REGISTRATION NUMBER: 25,447
; REFERENCE/DOCKET NUMBER: 27866/31954
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1337 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-05512-2
;
; Query Match 36.9%; Score 488; DB 5; Length 1337;
; Best Local Similarity 41.2%; Pred. No. 2.8e-44;
; Matches 103; Conservative 45; Mismatches 90; Indels 12; Gaps 6;
;
; QY 1 AEKPKNIKKNRYKDILPYDYSRVELSLITSDSSYINANFIKGVGPKAYIATQGPLST 60
; DB 1060 ABLAENFGKNRYNNVLPYDISRVKLSVQTHSTD-DYINANFYGYSKDKFIATQGPLN 1118
; QY 61 TLDDFWMIWEYSVLIIVMACMEYEMGKKERYWAEPEGMOLFEPGFSVSCAEKRKSD 120
; DB 1119 TLKDFWRMWEKNVYAIIMLTKEVQGRTKCEYW--PSKQADYDGDITVAMTSEIVLPE 1176
; QY 121 YIIRTLVKV--FNSERTIYQFHYKNWPDHVDVSSIDPILLELWVRCY--QEDDSVPIC 176
; DB 1177 WTIRDFVKNIQTSSEHPLRQFHTSWPDHGVDPDTDLLINFRYLVRDYMKNQSPESPIL 1236
; QY 177 IHCSAGCGRTGVICAIDYTMLLKDGIIIPEN-FSVFSLIREMRTQPSLVQTQEQYELVY 235
; DB 1237 VHCAGVGRGTGTFIADRLIVQIEN----ENTVDVYGVYDLRMRPLMVQTEDQYVFLN 1292
; QY 236 NAVLELFRQ 245
; DB 1293 QCVLDIVRSQ 1302
;
; RESULT 15
; US-08-449-644-2
; Sequence 2, Application US/08449644
; Patent No. 5856162
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Sap, Jan M.
; APPLICANT: Ulrich, Axel
; APPLICANT: Vogel, Wolfgang
; APPLICANT: Fuchs, Miriam
; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PHOSPHOTYROSINE
; PHOSPHATASE-KAPPA
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
```

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Job time : 20 secs

Search completed: July 23, 2004, 14:23:16
Job time : 20 secs